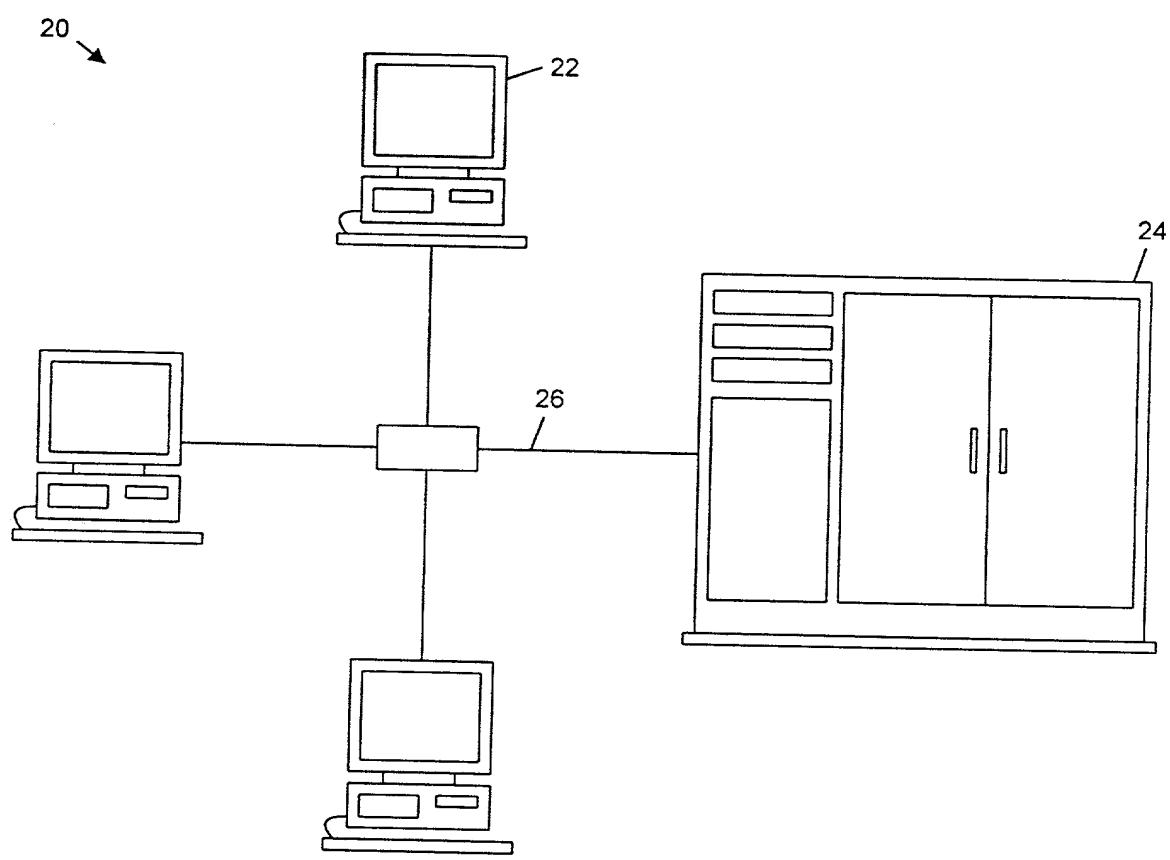
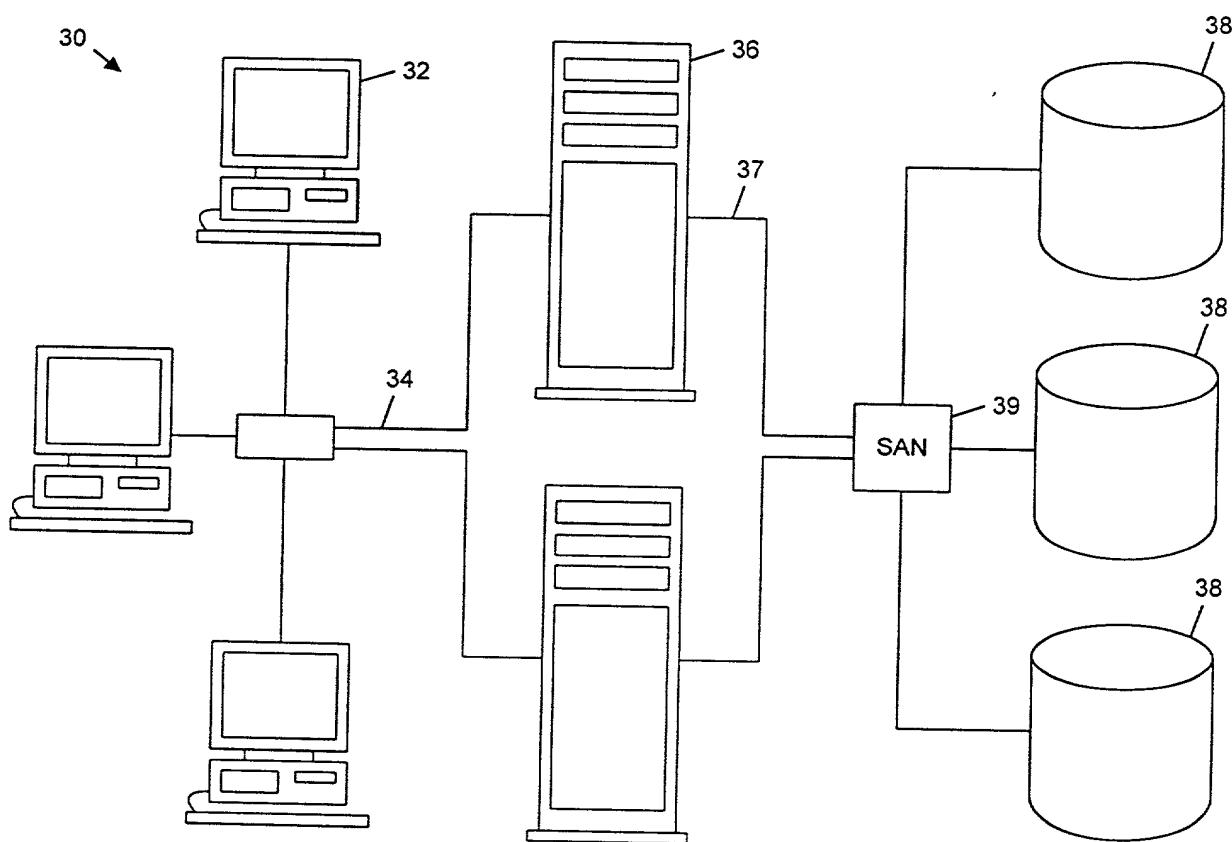


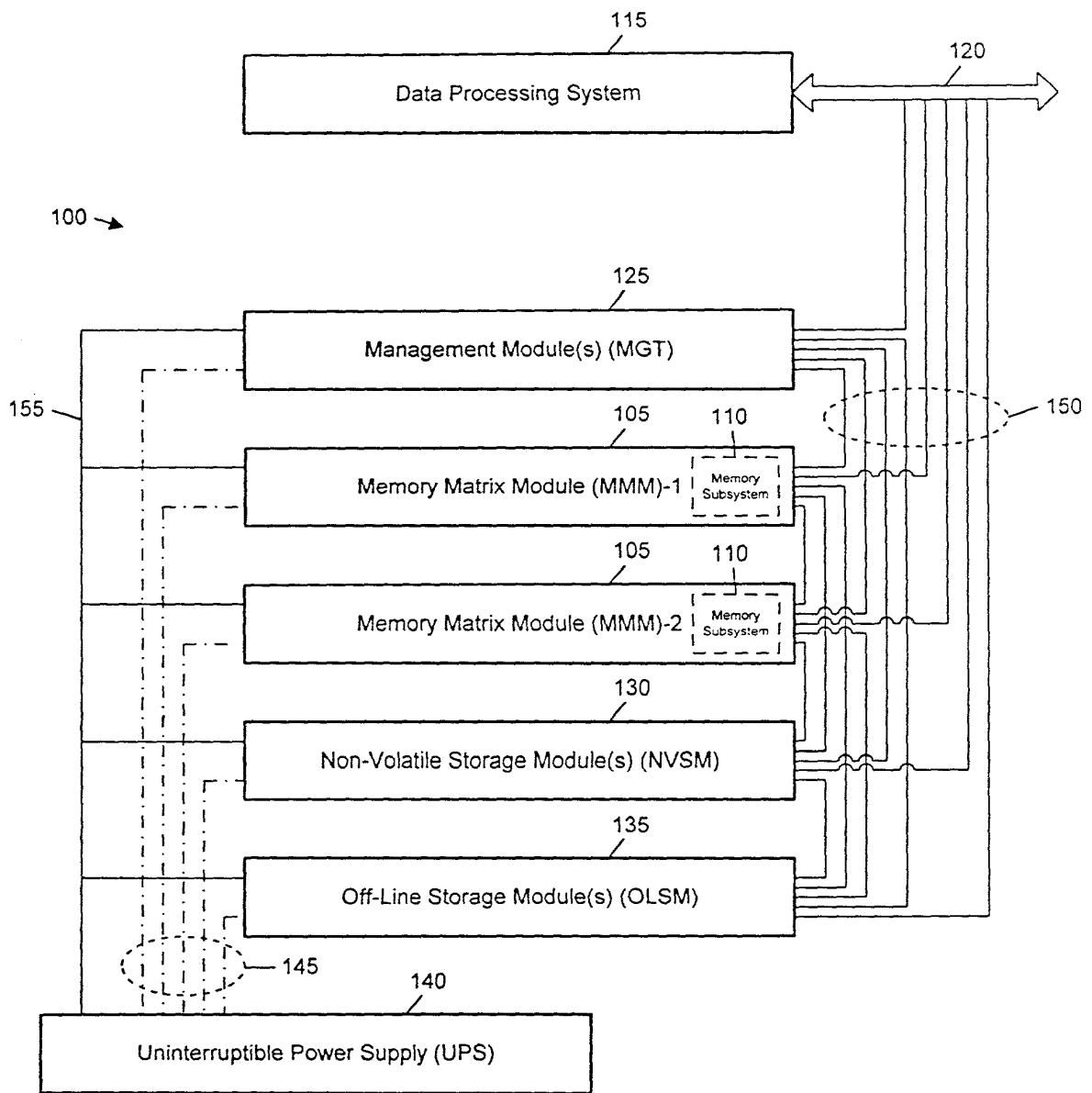
**FIG. 1 - SERVER ATTACHED STORAGE (SAS)  
(PRIOR ART)**



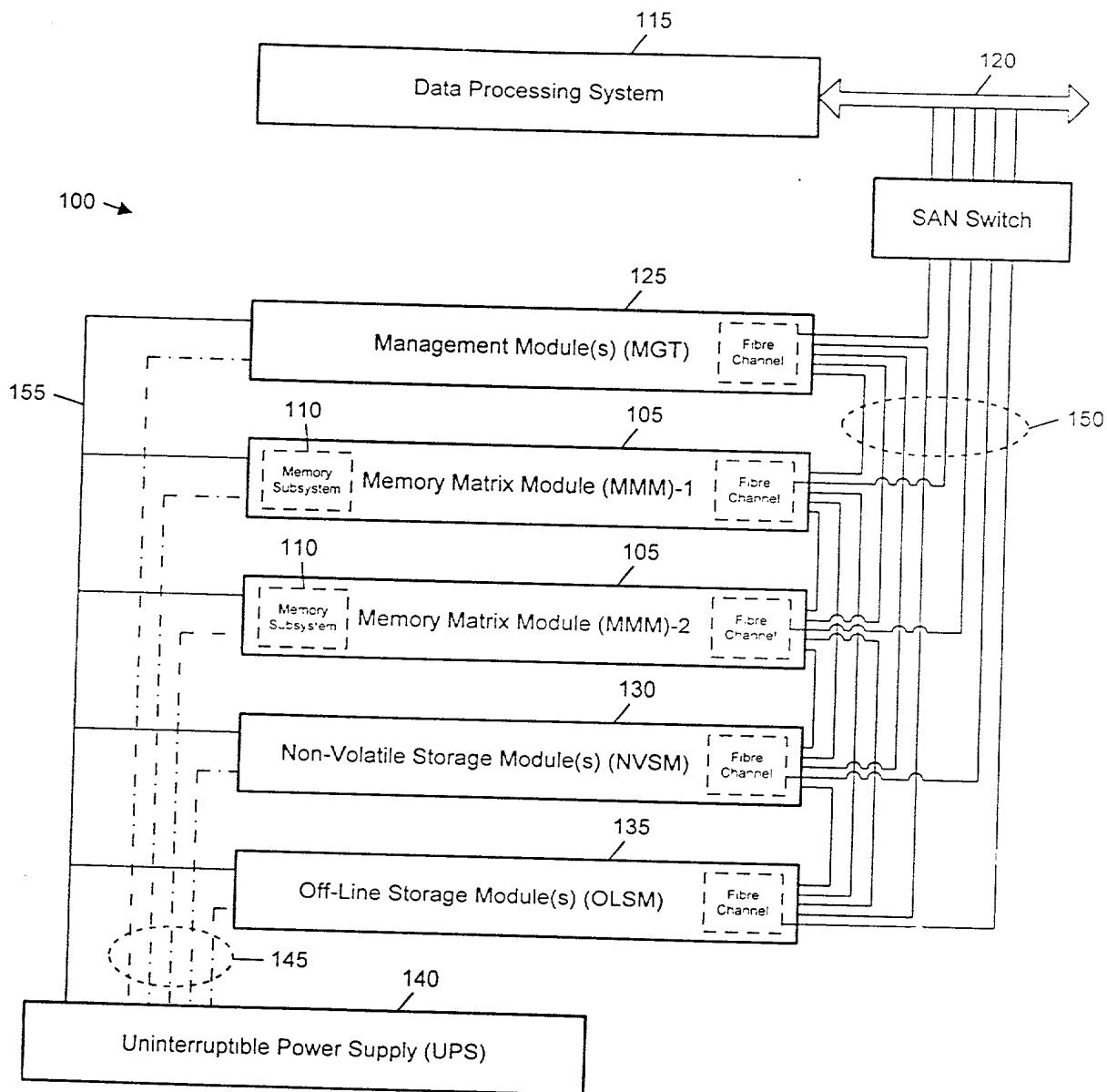
**FIG. 2 - NETWORK ATTACHED STORAGE (NAS)  
(PRIOR ART)**



**FIG. 3 - STORAGE AREA NETWORK (SAN)  
(PRIOR ART)**



**FIG. 4 - MEMORY MATRIX SYSTEM COMPONENTS  
(NAS CONFIGURATION)**



**FIG. 5 - MEMORY MATRIX SYSTEM COMPONENTS  
(SAN CONFIGURATION)**

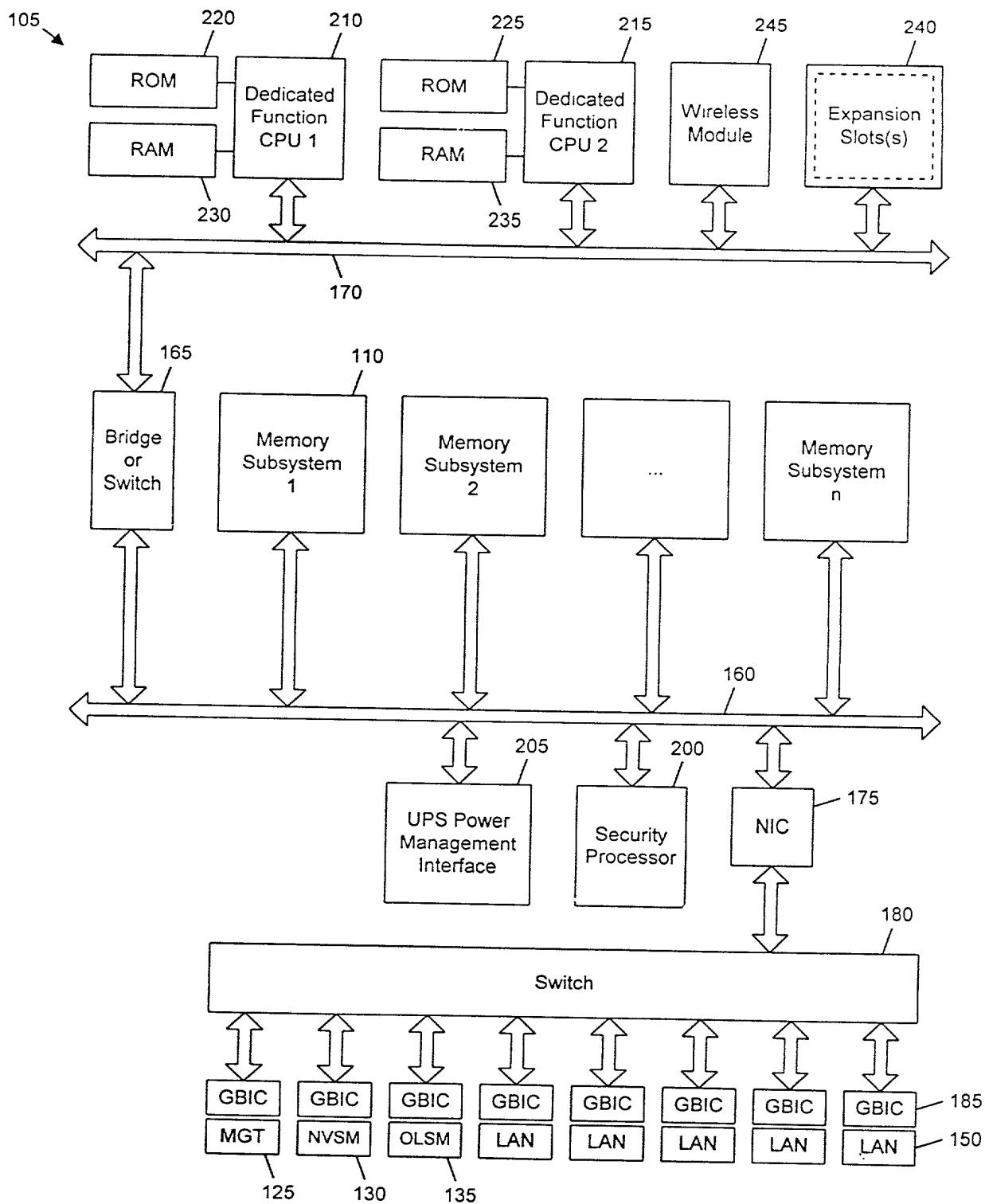


FIG. 6 - MEMORY MATRIX MODULE (MMM)

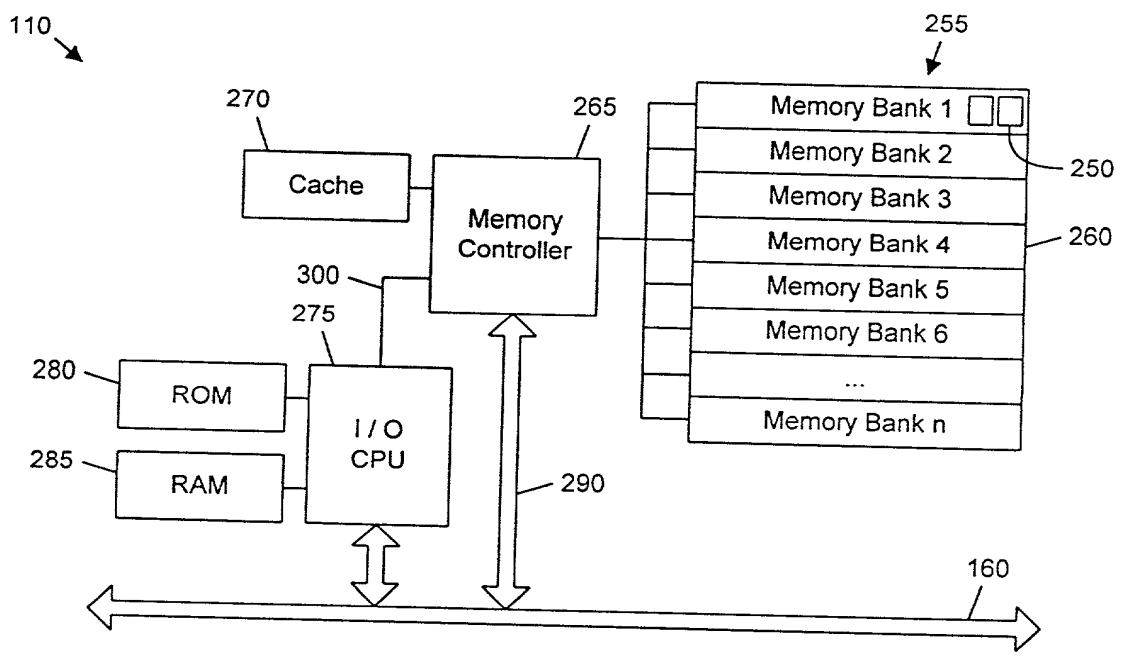
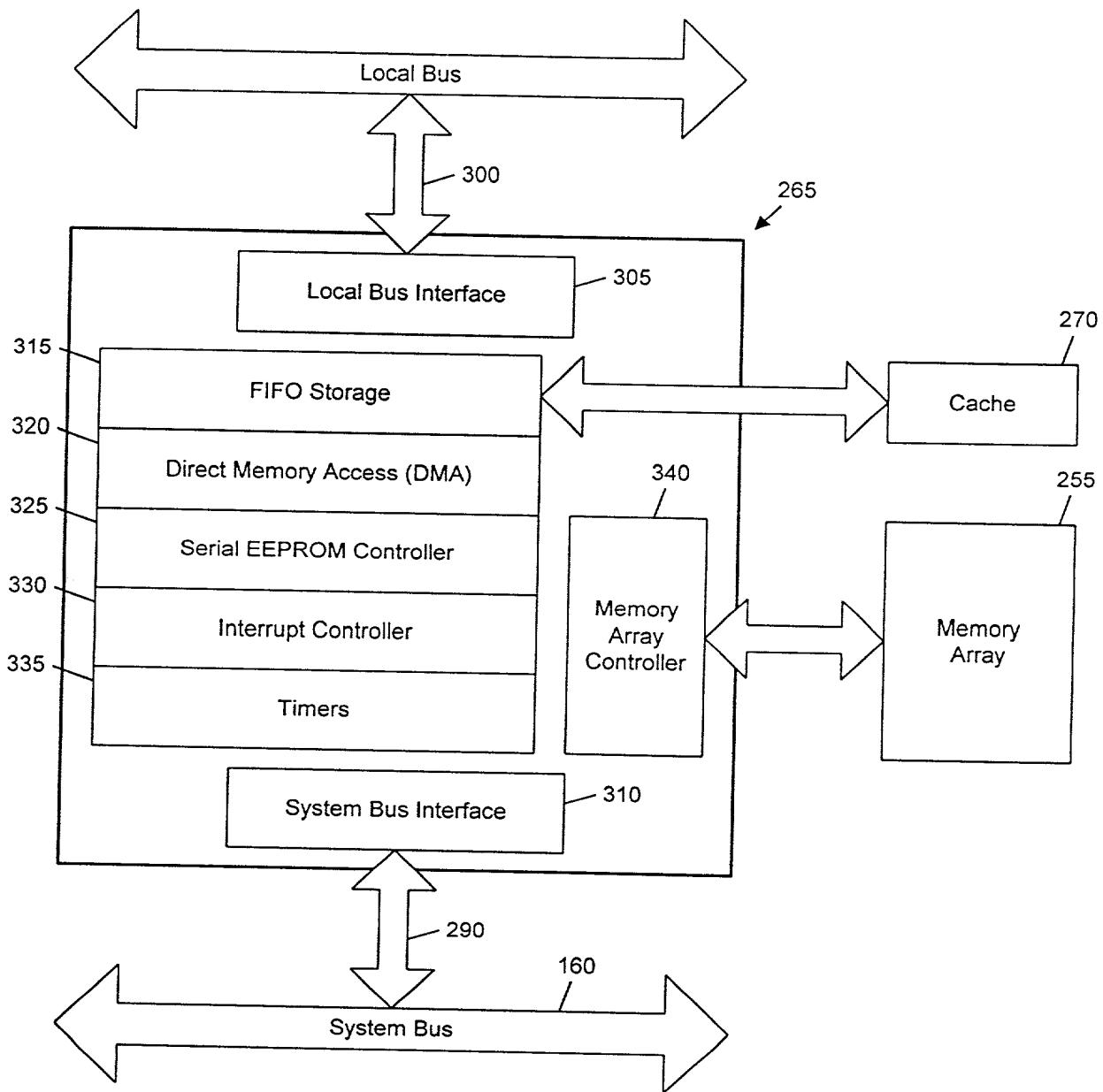
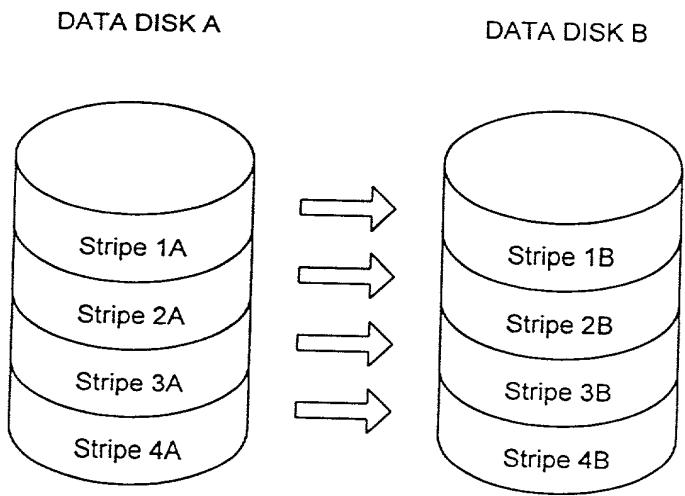


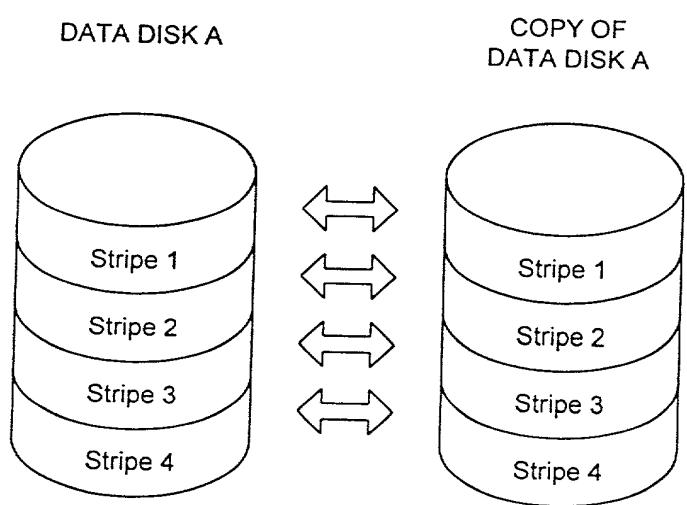
FIG. 7 - MEMORY SUBSYSTEM



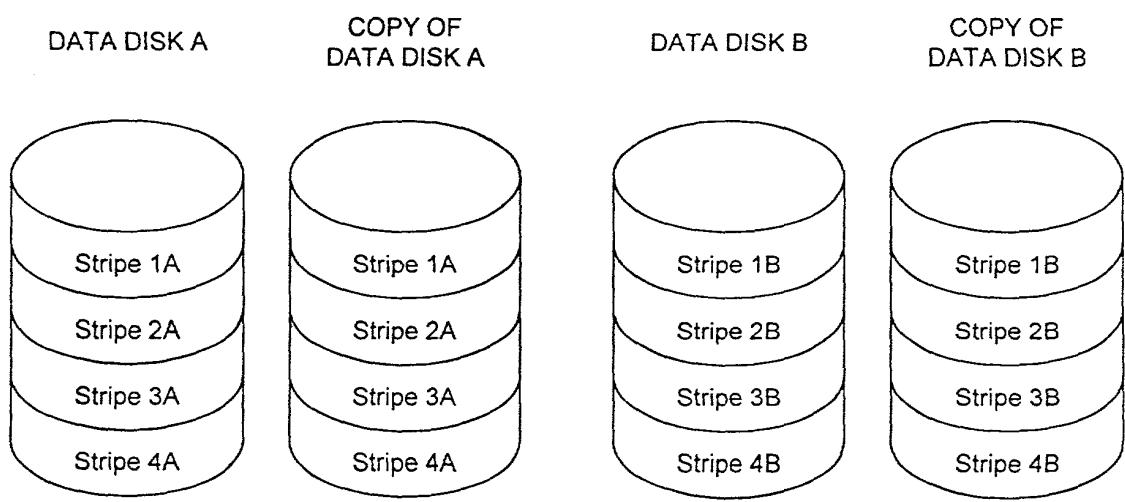
**FIG. 8 - MEMORY CONTROLLER**



**FIG. 9 - RAID LEVEL 0**



**FIG. 10 - RAID LEVEL 1**



**FIG. 11 - RAID LEVEL 0+1**

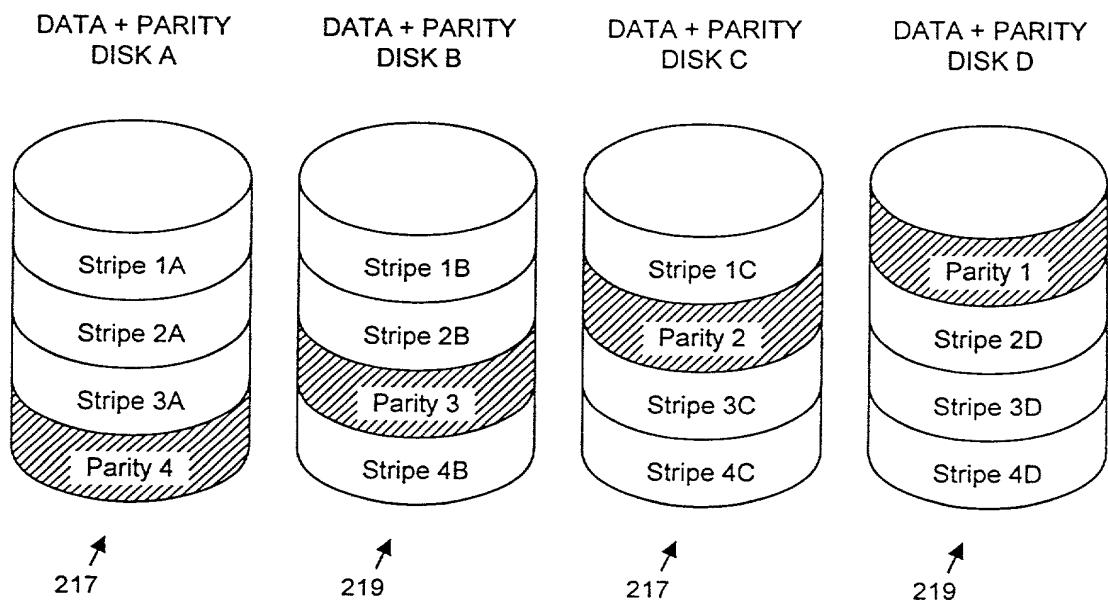


FIG. 12 - RAID LEVEL 5

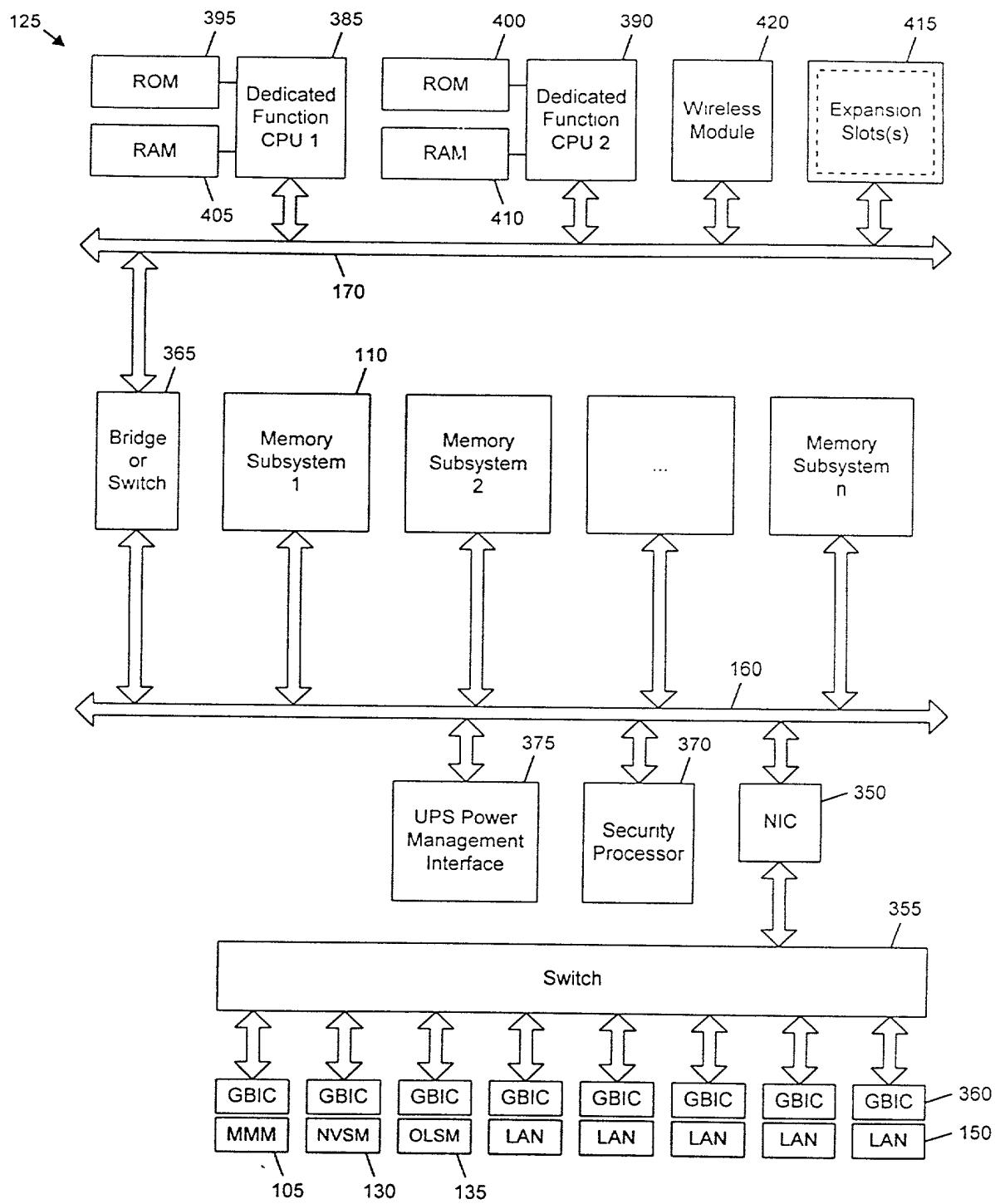


FIG. 13 - MANAGEMENT MODULE (MGT)

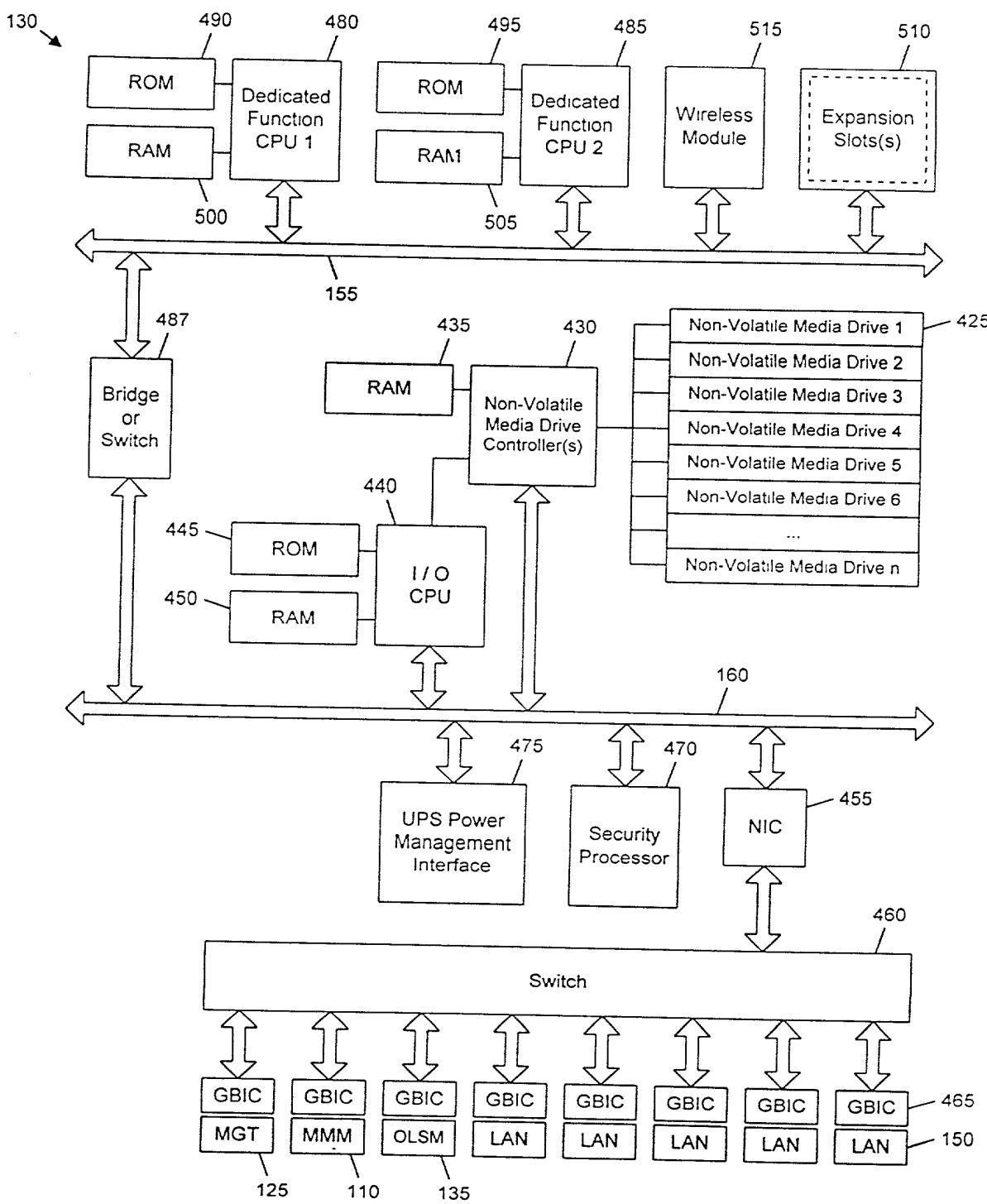


FIG. 14 - NON-VOLATILE STORAGE MODULE (NVSM)

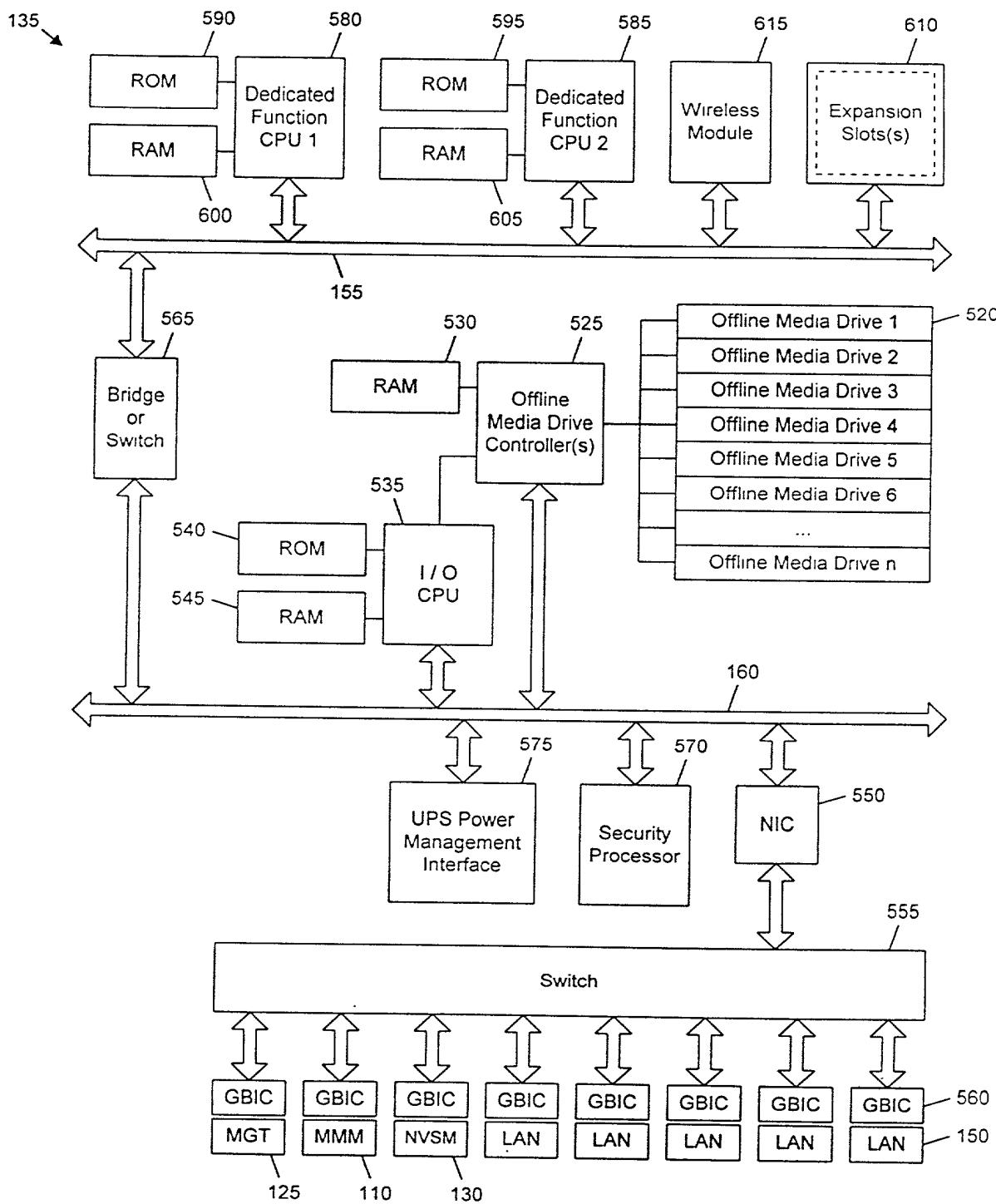


FIG. 15 - OFF-LINE STORAGE MODULE (OLSM)

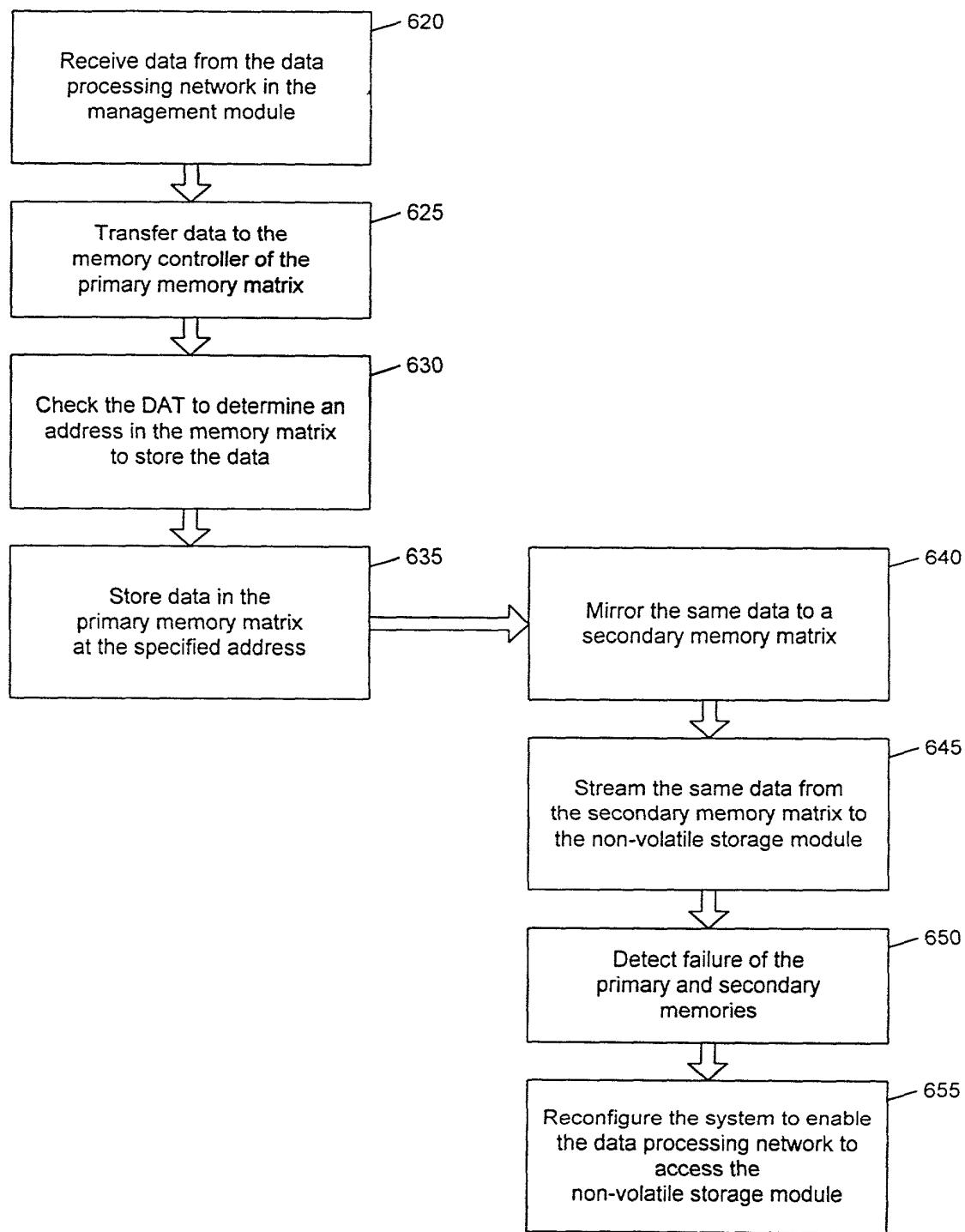


FIG. 16 - METHOD FOR OPERATION OF MEMORY SYSTEM